

**Amendments to the Drawings:**

The attached 10 sheets of drawings are submitted to replace the original 16 sheets of drawings.

Sheets 1 and 2 replace original sheets 1 and 2, and have been amended to eliminate extra text.

Sheets 3-5 replace original sheets 3-5, and have been amended to eliminate extra text and to renumber the figures.

Sheet 6 replaces original sheets 6-8, and has been amended to delete figures 4a and 5a, to renumber the figures and to add sequence ID numbers.

Sheet 7 replaces original sheets 9 and 10, and has been amended to delete figures 6a and 7a, to renumber the figures and to add sequence ID numbers.

Sheet 8 replaces original sheet 11, and has been amended to eliminate extra text.

Sheet 9 replaces original sheets 12-14, and has been amended to delete figures 9a and 10a, to renumber the figures and to add sequence ID numbers.

Sheet 10 replaces original sheets 15 and 16, and has been amended to delete figures 11a and 12a, to renumber the figures and to add sequence ID numbers.

Attachment: Replacement Sheets (ten)

1/10

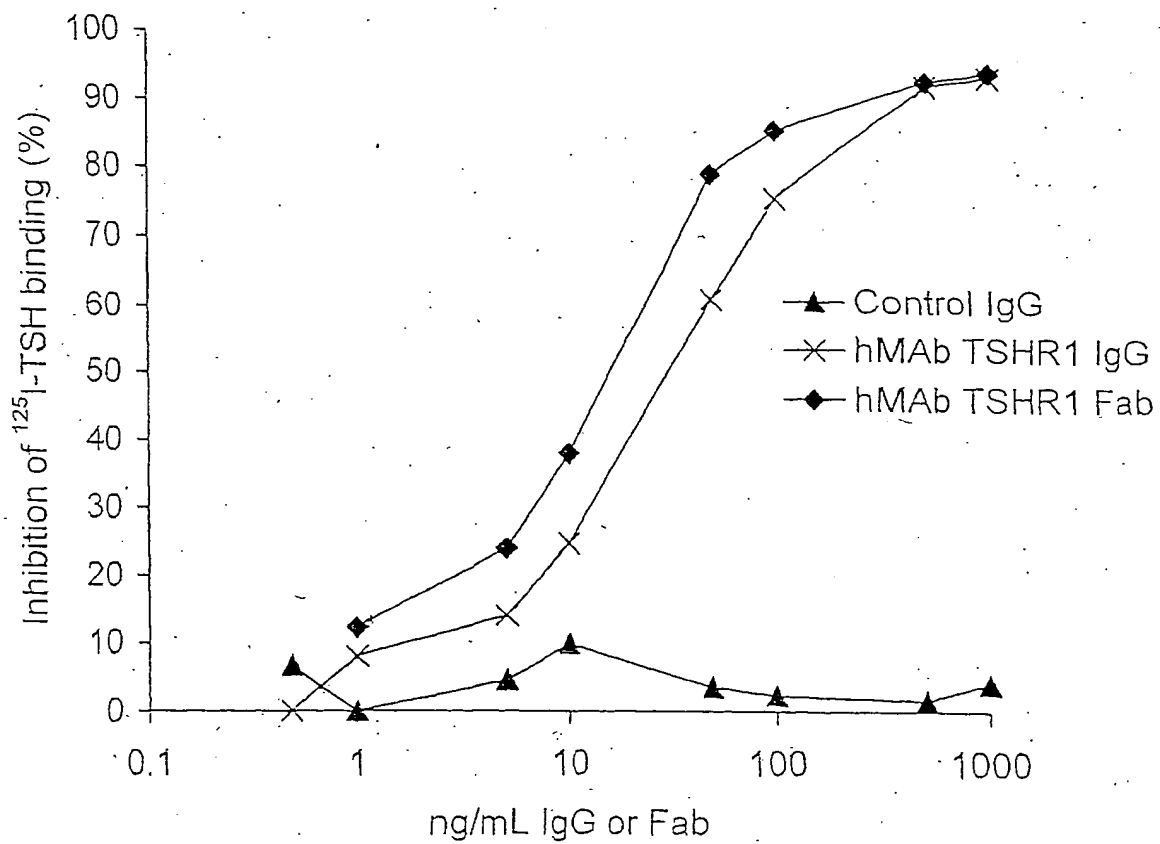


Fig. 1

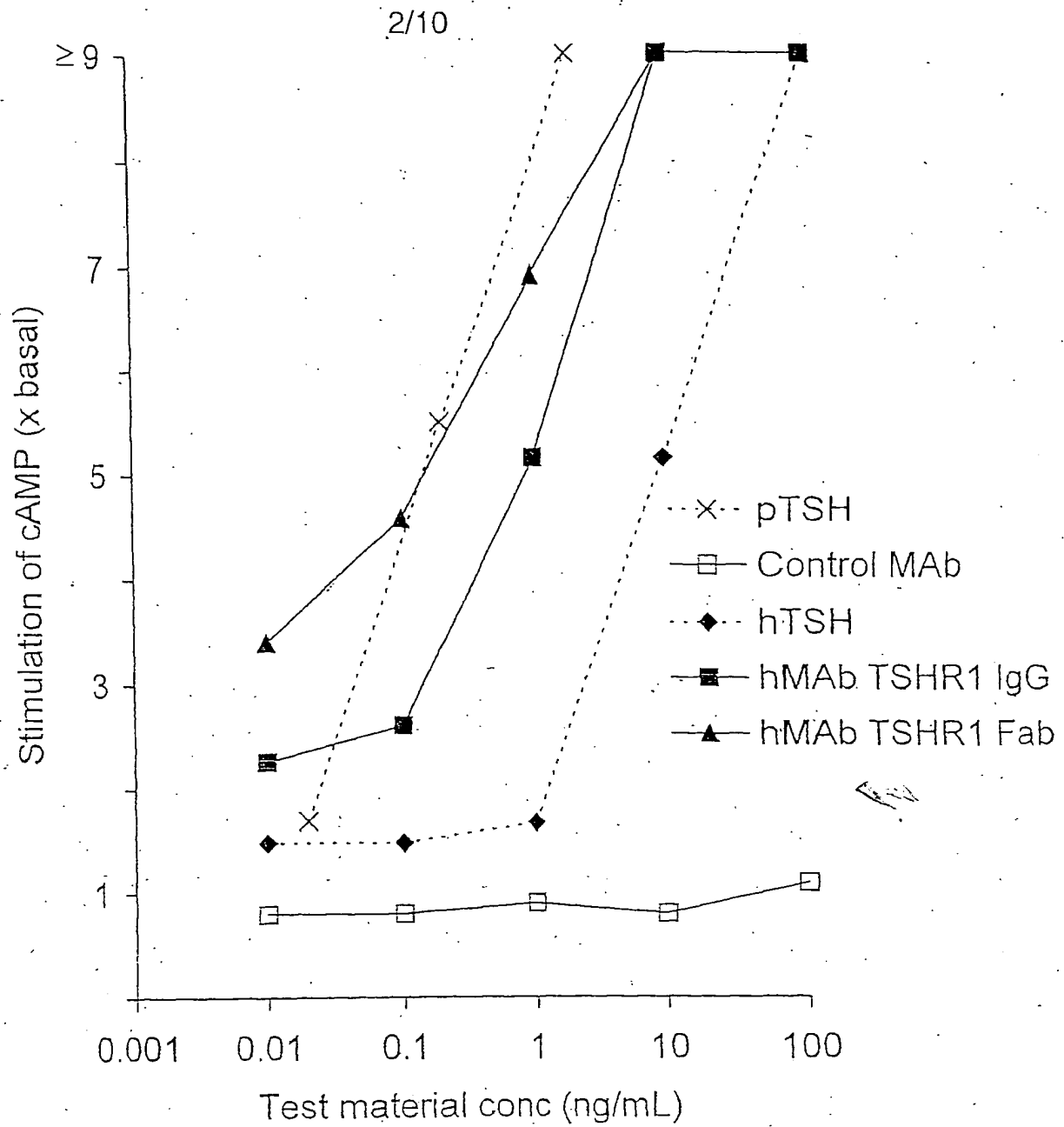


Fig. 2

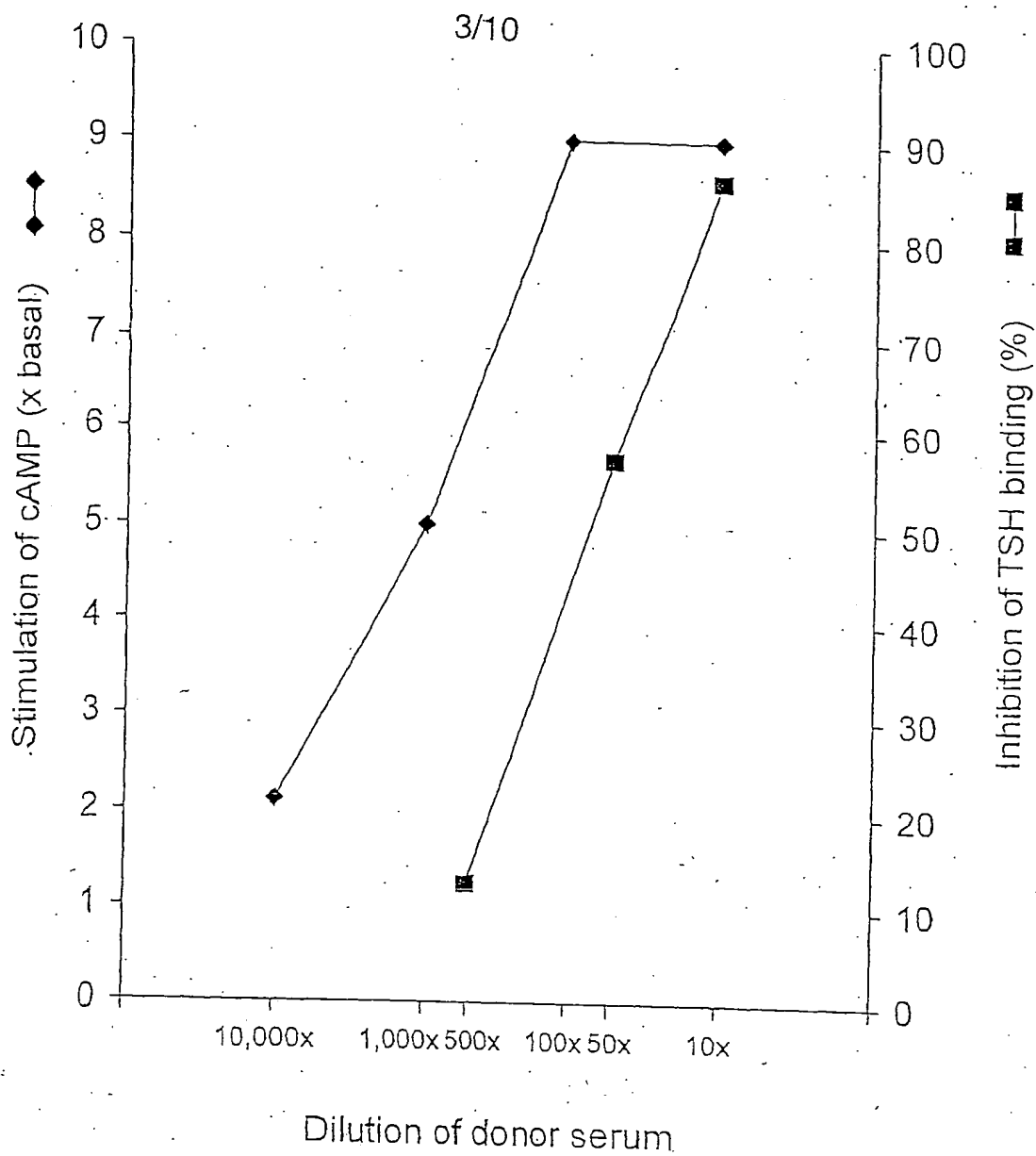


Fig. 3A

4/10

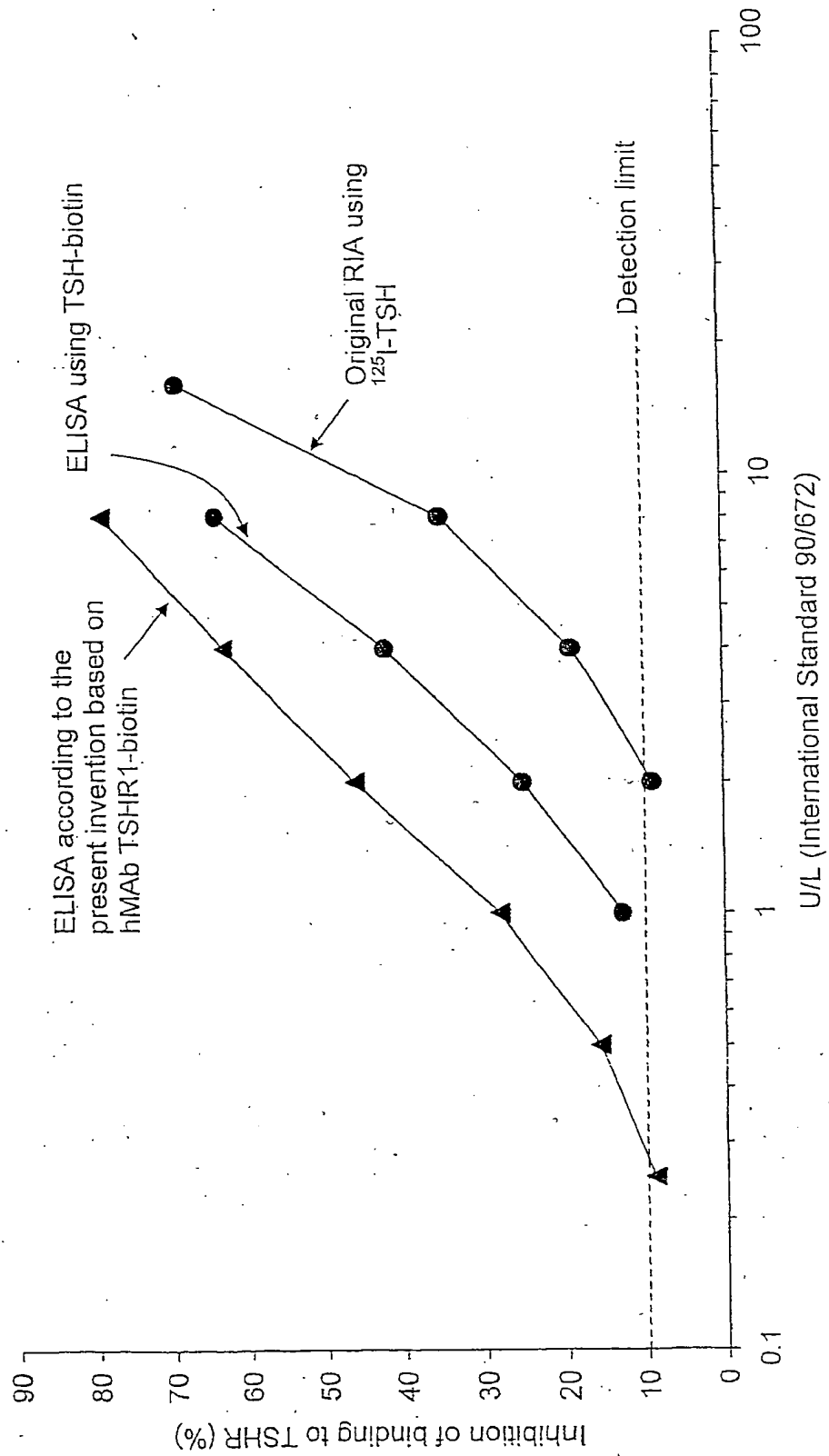


Fig. 3B

5/10

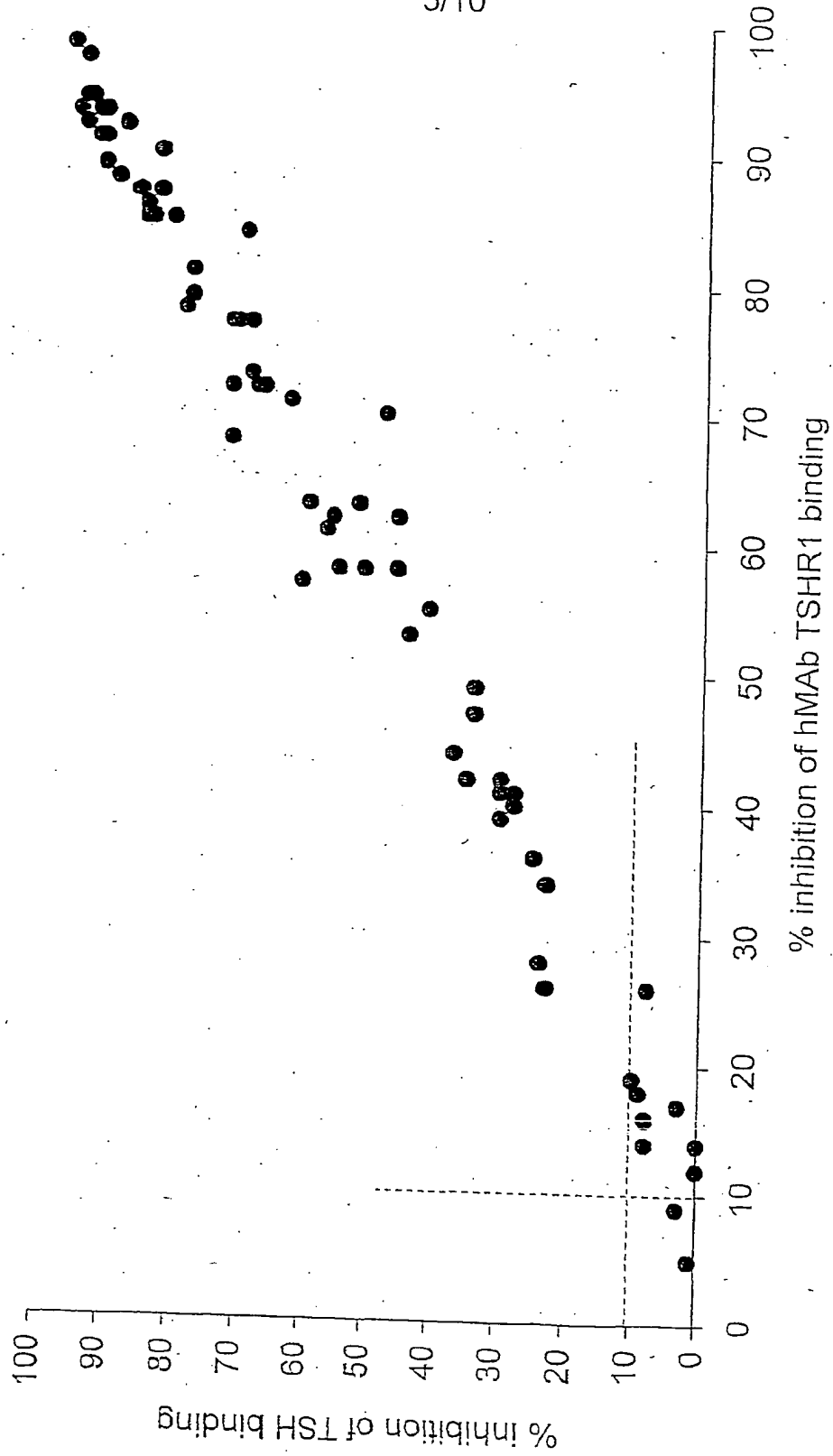


Fig. 3C

6/10

caaatgcagctgggtgcagtctggagcagaggtgaaaaagcccggggagtc 50  
 PCR primer  
 tctgaagatctcctgtaggggttctggatacaggttaccagcctactcga 100  
 CDR I  
 tccactgggtgcgccagctgcccggaagcctagagtggatgggcagg 150  
 CDR II  
 attgatcctaaggaactcttataccgactacagccatccttcaaaaggcca 200  
 cgtcaccgtctcagctgacaagtcacatcaacactgcctaectgcagtgga 250  
 gcagcctgaaggcctcggacacccggcatgtattactgtgcgaggcaggaa 300  
 CDR III  
 ccgggctatagcagcaccctgggtccgtcaaatggggccagggaaccctggt 350  
 constant region  
 caccgtctcctcagcctccaccaagggcccatcggtcttccccc 394

SEQ ID NO: 14

Fig. 4

QVQLVQSGAEVKKKPGESLKISCRGSGYRFTSYWLNWVRQLPGKGLEWMGR 50  
 CDR I  
 EDPTDSYTNYSPTKGHVTVSADKSINTAYLQWSSLKASDTGMYICARIS 100  
 CDR II  
 EGYSSISWSTYNNWGQGLVTVSSASTKGPSVFP 131  
 CDR III constant region

SEQ ID NO: 5

Fig. 5

7/10

ctgcctgtgctgactcagccaccctcggtgtctggagccccaggcagag 50  
PCR primer  
ggtcaccatctcctgttctggaaagagctccaaacaacggaaataacgctg 100  
CDR I  
taaacctgggtaccagcagctcccaggaaaggctcccaaactcctcatttat 150  
tatgatgatcaactgccctcaggggtctctgaccgattctctggctccag 200  
CDR II  
gtctggcacctccgctccctggccatccgtgggctccagtctgaggatg 250  
aggctgattattactgtacatcatgggatgacagcctggatagtcactg 300  
CDR III  
ttcggcggaggggaccaggctgaccgtccttaggt 333

Fig. 6

SEQ ID NO: 15

LTVLTQPPSVSGAPRQRTISC~~SGNSNIGNNAYN~~WYQQLPGKAPKLLIY 50  
CDR I  
~~YDDQLPS~~GVSDRFSGSRSGTSASLAIRGLQSEDEADYYC~~PSWDDSLDSQL~~ 100  
CDR II CDR III  
FGGGTRLTLVLG 111

SEQ ID NO: 6

Fig. 7



8/10

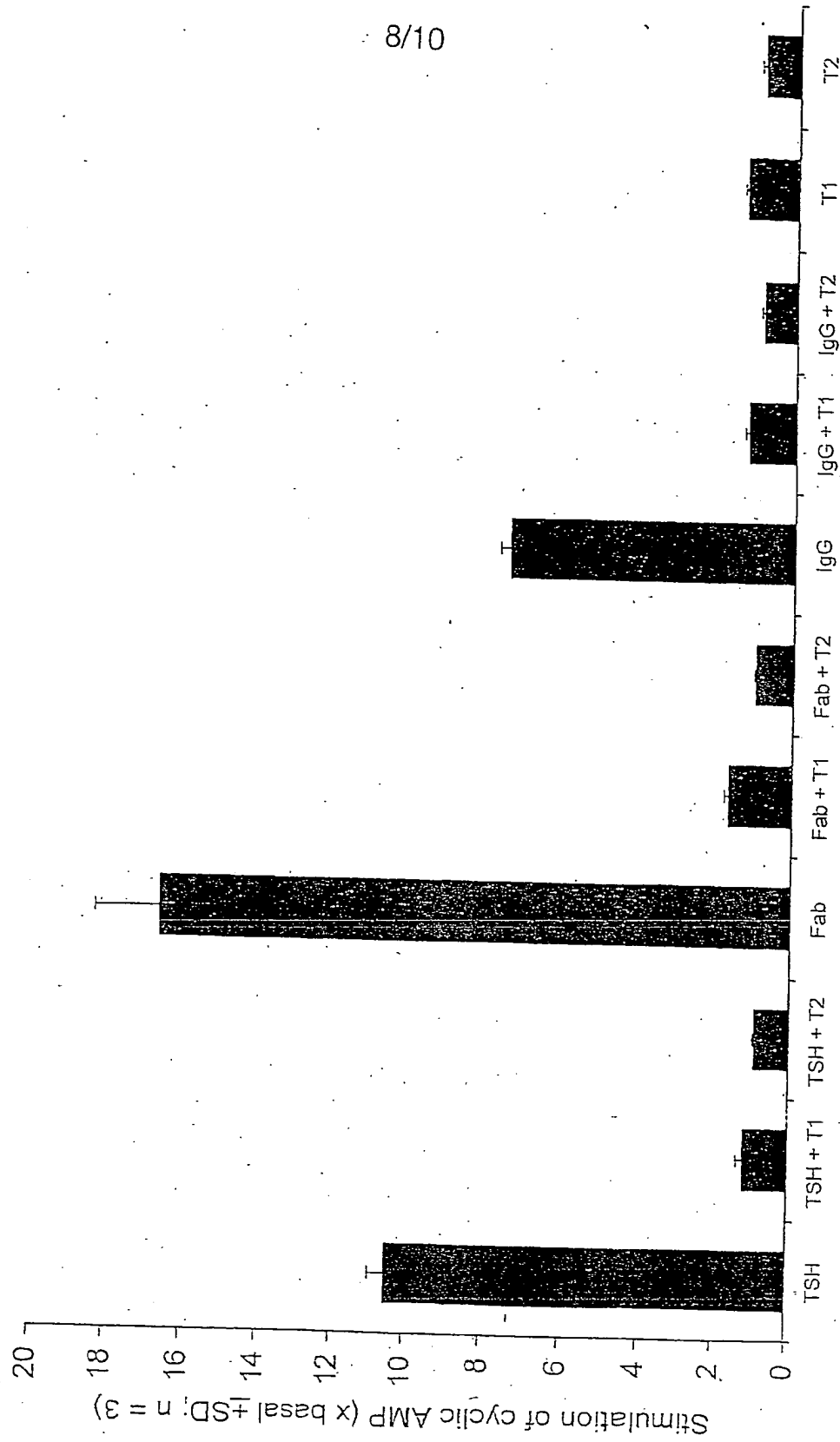


Fig. 8

10/537280

9/10

gacgtccagatccagcagcctgggactgagcttgtgaagcctggggcttc 50  
 PCR primer

agtgagactgtcctgcaaggcttctggctacaccttcaccacctactgga 100  
 CDR I

tgcactgggtgaagcagaggcctggacaaggccttgagtggatcggaagag 150  
 CDR II

attgatccttctgatagttataactataatcaaaagttcaagggc 200

ggccacattgactgtagacaatcctccagcacagcctacatgcacctca 250

gcagcctgacatctgaggactctgcggtctattactgttcaagaactac 300  
 CDR III

ggtagtggctactactttgactactggggccaaggcaccactetccacagt 350

ctcctcagccaaaacaacacccc 373  
 constant region

SEQ ID NO: 33

Fig. 9

DVQIQQPGTELVKPGASVRLSCKASGYTFRTIYWMHFWVKQRPQGGLWIG 50  
 PCR primer CDR I

IDPSDSYTNYNQKFKGKATLTVDKSSSTAYMHLSSLTSEDSAVYYCSRNY 100  
 CDR II CDR III

GSGYYFDYWGQGTTTLTVSSAKTTP 124  
 constant region

SEQ ID NO: 23

Fig. 10

10/10

ggcgttgagatgacacagtcgccagcaatcatgtctgcatctccagggga 50  
 PCR primer  
 gaaggtcaccatgacctgcaagtgccagctcaagtgttaagttacatgcaat 100  
 CDR I  
 ggtaccagcagaagtcaggcacctccccaaaagatggatttatgacaca 150  
 CDR II  
 tccaaactggcttctggagtccttgccttcagtggtgagtggtctgg 200  
 gacctcttactctctcacaatcagcagcatggagactgaagatgctgcca 250  
 CDR III  
 cttattactgcagcagtggtgagtagtaaccctggagcgttcggtggaggg 300  
 accaaactggaaatcaaacggctgatgctgc 331  
 constant region

SEQ ID NO: 38

Fig. 11

GVEMTQSPAIMASASPGEKVTMTCSASSSVSYMHWYQQKSGTSPKRWIYDT 50  
 PCR primer CDR I  
 SKLASGVPARFSGSGSGTSYSLTISSMETEDAATYYCQQWSSNPWTFGGG 100  
 CDR II CDR III  
 TKLEIKRLML 110  
 constant region

SEQ ID NO: 28

Fig. 12